

REMIT TO
 Consolidated Oil Well Services, LLC
 Dept:970
 P.O.Box 4346
 Houston, TX 77210-4346

RECEIVED
 AUG 21 2015

MAIN OFFICE
 P.O.Box884
 Chanute, KS 66720
 620/431-9210, 1-800/467-8676
 Fax 620/431-0012

Invoice Invoice# 805392

Invoice Date: 08/18/15 Terms: Net 30 Page 1

PALOMINO PETROLEUM, INC.
 4924 SE 84TH STREET
 NEWTON KS 67114-8827
 USA

CROWN C2

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0451	Cement Pump Charge 1501' - 3000'	1.000	1,500.0000	30.000	1,050.00
CE0002	Equipment Mileage Charge - Heavy Equipment	60.000	7.1500	30.000	300.30
CE0710	Cement Delivery Charge	1.000	813.7500	30.000	569.63
CC5871	Surface Blend II, 2% Gel/3% CaCl	165.000	23.0000	30.000	2,656.50
Subtotal					6,537.75
Discounted Amount					1,961.33
SubTotal After Discount					4,576.42

Amount Due 6,860.33 If paid after 09/17/15

Tax: 225.80
 Total: 4,802.23



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

3918

3831

INVOICE # 805392

TICKET NUMBER 49524
LOCATION Odday, KS
FOREMAN Cory D.

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8/15/15	6285	Crown C2	21	20	34 W	Scott
CUSTOMER <u>Palomino</u>			5 Scott city S to 2040 W to Cheyenne 5 1 mile W N into			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			731	Cody R.	45hr	
STATE			693	Keith C.	I	
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/2 HOLE DEPTH 218 CASING SIZE & WEIGHT 8 7/8 23#
 CASING DEPTH 218 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.3 SLURRY VOL 1.24 WATER gal/sk 6.5 CEMENT LEFT in CASING _____
 DISPLACEMENT 12 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting - Rig up on w/w/o - run casing Break circulation with rig pump.
 Hook up to pump truck mix 165 class A cement 3% cc 2% gel Displace 12 1/2 BBL
 water wash up rig down

Cement Did Circ.

Approx 5 BBL to Pit

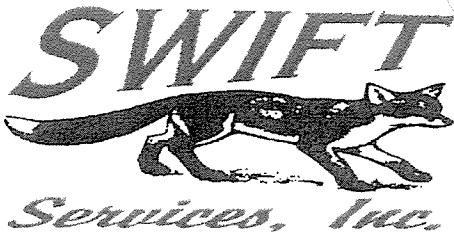
Thank you Cory & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0451	1	PUMP CHARGE	1,500.00	1,500.00
CE0002	60	MILEAGE	7.15	429.00
CE0110	7.75	Cement Delivery Charge	1.75	813.75
CC5871	165	Surface Blend Class A 3% cc 2% gel	23.00	3,795.00
			sub total	6,537.75
			30% less	1,961.32
			sub total	4,576.43
			SALES TAX	225.80
			ESTIMATED TOTAL	4,802.23

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



RECEIVED

AUG 27 2015

Invoice

DATE	INVOICE #
8/24/2015	28666

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2	Crown C	Scott	WW Drilling	Oil	Development	Cement LongStri...	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				75	Miles	5.00	375.00
578D-L	Pump Charge - Long String				1	Job	1,250.00	1,250.00
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	225.00	225.00
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	300.00	300.00
409-5	5 1/2" Turbolizer				12	Each	75.00	900.00
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	15.75	1,968.75
325	Standard Cement				100	Sacks	12.25	1,225.00
284	Calseal				5	Sack(s)	30.00	150.00
283	Salt				500	Lb(s)	0.20	100.00
285	CFR-1				50	Lb(s)	4.50	225.00
276	Flocele				50	Lb(s)	2.25	112.50
281	Mud Flush				500	Gallon(s)	1.25	625.00
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00
290	D-Air				3	Gallon(s)	42.00	126.00
581D	Service Charge Cement				225	Sacks	1.50	337.50
583D	Drayage				859.27	Ton Miles	0.75	644.45
	Subtotal							11,614.20
	Sales Tax Scott County						8.50%	765.62

We Appreciate Your Business!	Total	\$12,379.82
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CHARGE TO: Palomina Petroleum
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET 286666
 PAGE 1 OF 2

SERVICE LOCATIONS
 1. Avu City KS
 2. _____
 3. _____
 4. _____

WELL/PROJECT NO. #2
 LEASE Crown C
 COUNTY/PARISH Scott
 STATE KS
 CITY Skellows Water
 DATE 29 AUG-15
 OWNER _____

TICKET TYPE
 SERVICE
 SALES
 CONTRACTOR _____
 RIG NAME/NO. _____
 ORDER NO. _____

WELL TYPE _____
 WELL CATEGORY Development
 JOB PURPOSE Cement long string
 DELIVERED TO Leathen
 WELL PERMIT NO. _____

WELL LOCATION 2-20-34

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT							
575		1		MILEAGE TRK 110	75	mi			560	375.00
578		1		Pump chaser	1	ea			1250.00	1250.00
403		1		Cement Basket	52	in			250.00	13000.00
404		1		Port Collar	52	in			2500.00	130000.00
406		1		Latch dump plug & baggie	52	in			225.00	11625.00
407		1		Insert Flat shoe w/ hard file	52	in			300.00	15600.00
409		1		TurboLizer	52	in			75.00	3900.00
419		1		Rotating head rental	52	in			200.00	10400.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY**, and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 DATE SIGNED _____ TIME SIGNED _____
 A.M.
 P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 CUSTOMER DID NOT WISH TO RESPOND

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR _____ APPROVAL _____
 Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 28666

CUSTOMER: *William Petroleum* WEL: *William C #2* DATE: *24 AUG-15* PAGE: *21* OF: *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WEL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
330							185	SK			1575	1968.75
325						STANDARD cement (4-4-2)	100	SK			1225	1225.00
284						celgene	500	LB	5	SK	3000	150.00
283						SALT	500	LB			0.20	100.00
285						CFR-1	50	LB			4.50	225.00
276						Floble	50	LB			2.85	142.50
281						mud flush	500	gal			1.25	625.00
281						KCL liquid	4	gal			2500	100.00
290						D-air	5	gal			4200	126.00
581						SERVICE CHARGE					1.50	337.50
583						MILEAGE CHARGE					0.75	644.45

CONTINUATION TOTAL 5614.00

JOB LOG

SWIFT Services, Inc.

DATE 24 APR 15 PAGE NO.

CUSTOMER Palomino Petroleum WELL NO. #2 LEASE Crown C JOB TYPE cement long strings TICKET NO. 28666

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								125 sk SMD cement w/ 1/2" floacle 100 sk SA-2 cement w/ 1/4" floacle 5 1/2" x 14" casing 119 joints Controller 1, 3, 5, 7, 9, 10, 11, 12, 14, 16, 18, 65 Basket #66 Bot Collar #66 2204'
	1100							on loc TRK 110
	1218							start 5 1/2" x 14" casing in well
	1445							Drop ball - circulate - ROTATE
	1545	3 1/2	12				200	Pump 12 bbl mud flush
		3 1/2	20				200	Pump 20 bbl KCL flush
			7					Plug RH - 30 sk
	1555	3 1/2	43				200	MIX SMD cement 95 sk @ 12.2 ppg
		3 1/2	24				200	mix SA-2 cement 100 sk @ 15.3 ppg
								Drop latch down plug WASH OUT PUMP & LINE
	1624	5 1/2					200	Displace plug (KCL first 20 bbl)
		5 1/2	100				350	
		5 1/2	110				850	
	1700	5 1/2	1500				1500	Land plug
								Release pressure to truck - dried up
	1705							Wash truck
								Back up
	1730							job complete
								Thanks Steve Platt & crew

SWIFT



Services, Inc.

P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
9/1/2015	28668

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

RECEIVED
SEP 05 2015

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2	Crown C	Scott	Express Well Serv...	Oil	Development	Cement Port Collar	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				75	Miles	5.00	375.00
576D-D	Pump Charge - Port Collar				1	Job	1,250.00	1,250.00
330	Swift Multi-Density Standard (MIDCON II)				190	Sacks	15.75	2,992.50T
276	Flocele				50	Lb(s)	2.25	112.50T
290	D-Air				2	Gallon(s)	42.00	84.00T
104	5 1/2" Port Collar Tool Rental				1	Each	200.00	200.00T
581D	Service Charge Cement				275	Sacks	1.50	412.50
583D	Drayage				959.03	Ton Miles	0.75	719.27
	Subtotal							6,145.77
	Sales Tax Scott County						8.50%	288.07

We Appreciate Your Business!

Total

\$6,433.84



CHARGE TO: Palawino Petroleum
 ADDRESS:
 CITY, STATE, ZIP CODE

TICKET 28668
 PAGE 1 OF 1

SERVICE LOCATIONS: Wb 147 KS WELL/PROJECT NO. #2 LEASE Crown c COUNTY/PARISH Scott STATE KS CITY Shallow Water DATE 1 Sep 15 OWNER
 1. Wb 147 KS CONTRACTOR
 2. TICKET TYPE SERVICE SALES
 3. WELL TYPE 07 WELL CATEGORY Development RIG NAME/NO. 10000 ORDER NO.
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS Development cement part collar WELL PERMIT NO. WELL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT								
575		1			MILEAGE	75	mi			5.00	375.00
576D		1			Pump charge	1	09			1250.00	1250.00
330		1			SUB cement	190	sk			15.75	2992.50
276		1			Floccle	50	lb			2.85	142.50
290		1			D-air	2	gal			42.00	84.00
104		1			part collar opening tool rental	5	in	1	ea	200.00	200.00
581		1			service charge	275	sk			1.58	412.50
583		1			Dayage	25574	lb	95903	TW	0.75	719.27

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 X [Signature] DATE SIGNED 10/15 TIME SIGNED 4:15 P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 6145
 TAX 288
 TOTAL 6433
84

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 APPROVAL [Signature]

SWIFT OPERATOR
 Thank You!

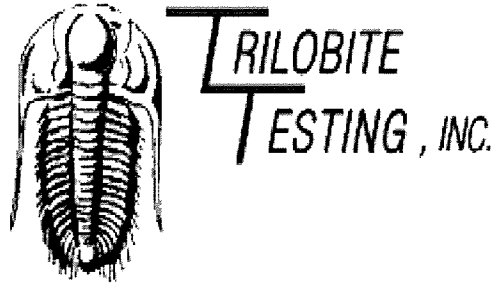
JOB LOG

SWIFT Services, Inc.

DATE 1 SEP 15 PAGE NO.

CUSTOMER Palomino Petroleum WELL NO. #2 LEASE Crown C JOB TYPE cement port collar TICKET NO. 28668

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								275 sk SMD w/ 1/2" floccle 2 3/4" x 5 1/2" port collar 2204'
	0900							on loc TRK 114
	0907					1000	1000	test to 1000 psi - held
		3 1/2	2			200		open port collar inj rate 3 1/2 bpm @ 200 psi
	0928	3 1/2				200		mix SMD cement @ 11.2 ppg
		3 1/2	15			200		- fluid to surface -
		3 1/2	102			350		— cement to surface —
								{ 190 sk mixed } { 15 sk top } }
	0958							Displace w/ 12 bbl H ₂ O
								close port collar
	1005					1000	1000	test to 1000 psi - held
	1010							POE Run 5 joints
	1025							Reverse hole clean - 2 cement flags - Pull tool
	1032							Wash truck
								Back up
								Job complete
								Thanks Flint, Blaine, & Rob



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Crown C #2

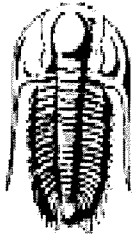
S21-20s-34w Scott,KS

Start Date: 2015.08.19 @ 05:15:00

End Date: 2015.08.19 @ 12:18:50

Job Ticket #: 61706 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

S21-20s-34w Scott,KS

4924 SE 84th St.
New ton, KS 67114

Crown C #2

Job Ticket: 61706

DST#: 1

ATTN: Ryan Seib

Test Start: 2015.08.19 @ 05:15:00

GENERAL INFORMATION:

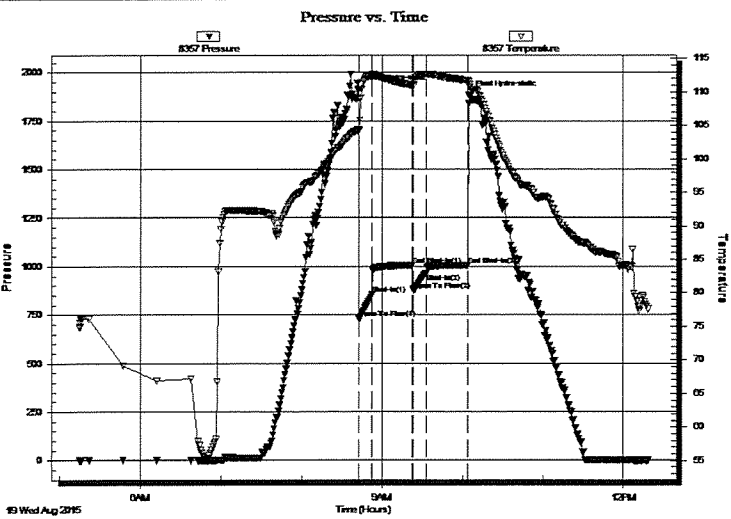
Formation: **Topeka-Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:43:10
 Time Test Ended: 12:18:50
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Smith
 Unit No: 61
 Interval: **3886.00 ft (KB) To 3983.00 ft (KB) (TVD)**
 Reference Elevations: 3076.00 ft (KB)
 Total Depth: 3983.00 ft (KB) (TVD)
 3071.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 5.00 ft

Serial #: 8357

Inside

Press@RunDepth: 964.61 psig @ 3891.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.08.19 End Date: 2015.08.19 Last Calib.: 2015.08.19
 Start Time: 05:15:02 End Time: 12:18:49 Time On Btm: 2015.08.19 @ 08:42:00
 Time Off Btm: 2015.08.19 @ 10:04:39

TEST COMMENT: 10- B.O.B. @ 45 sec.
 30- Surface return died @ 10 min.
 10- B.O.B. @ 1 min.
 30- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1911.78	104.26	Initial Hydro-static
2	728.91	104.25	Open To Flow (1)
11	853.44	112.58	Shut-In(1)
41	1005.47	111.00	End Shut-In(1)
42	878.37	111.00	Open To Flow (2)
51	964.61	112.66	Shut-In(2)
82	1006.07	111.69	End Shut-In(2)
83	1882.96	111.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1732.00	W 100w Popping gas.	23.20
248.00	WM 10w 90m	3.48

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.
New ton, KS 67114

ATTN: Ryan Seib

S21-20s-34w Scott,KS

Crown C #2

Job Ticket: 61706

DST#: 1

Test Start: 2015.08.19 @ 05:15:00

GENERAL INFORMATION:

Formation: **Topeka-Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:43:10

Time Test Ended: 12:18:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 61

Interval: 3886.00 ft (KB) To 3983.00 ft (KB) (TVD)

Total Depth: 3983.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3076.00 ft (KB)

3071.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 3891.00 ft (KB)

Start Date: 2015.08.19

End Date:

2015.08.19

Start Time: 05:15:12

End Time:

12:18:50

Capacity: 8000.00 psig

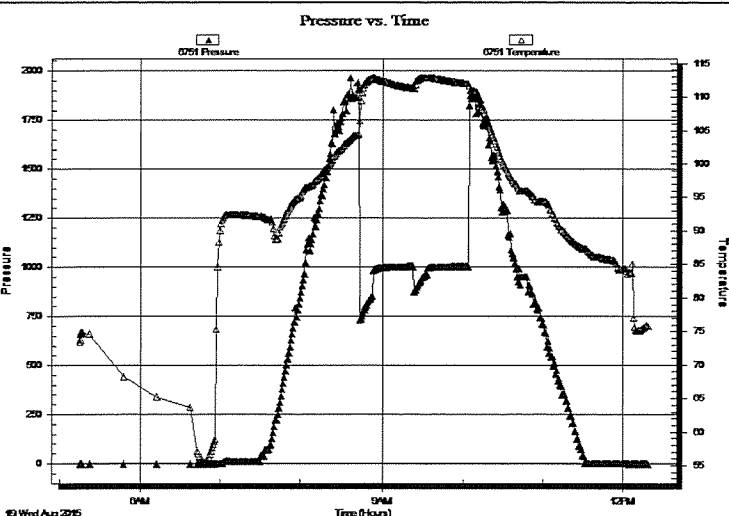
Last Calib.:

2015.08.19

Time On Btm:

Time Off Btm:

TEST COMMENT: 10- B.O.B. @ 45 sec.
30- Surface return died @ 10 min.
10- B.O.B. @ 1 min.
30- No return.



PRESSURE SUMMARY

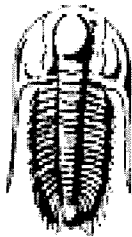
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
1732.00	W 100w Popping gas.	23.20
248.00	WM 10w 90m	3.48

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

S21-20s-34w Scott,KS

4924 SE 84th St.
New ton, KS 67114

Crown C #2

Job Ticket: 61706

DST#: 1

ATTN: Ryan Seib

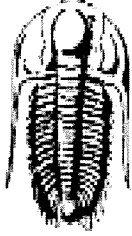
Test Start: 2015.08.19 @ 05:15:00

Tool Information

Drill Pipe:	Length: 3760.00 ft	Diameter: 3.80 inches	Volume: 52.74 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 53.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.50 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3886.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	97.00 ft			
Tool Length:	124.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3859.50	
Shut In Tool	5.00			3864.50	
Hydraulic tool	5.00			3869.50	
Jars	5.00			3874.50	
Safety Joint	2.50			3877.00	
Packer	5.00			3882.00	27.50 Bottom Of Top Packer
Packer	4.00			3886.00	
Stubb	1.00			3887.00	
Perforations	4.00			3891.00	
Recorder	0.00	8357	Inside	3891.00	
Recorder	0.00	6751	Outside	3891.00	
Perforations	24.00			3915.00	
Change Over Sub	1.00			3916.00	
Drill Pipe	63.00			3979.00	
Change Over Sub	1.00			3980.00	
Bullnose	3.00			3983.00	97.00 Bottom Packers & Anchor
Total Tool Length:	124.50				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

S21-20s-34w Scott,KS

4924 SE 84th St.
New ton, KS 67114

Crown C #2

Job Ticket: 61706

DST#: 1

ATTN: Ryan Seib

Test Start: 2015.08.19 @ 05:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

90000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1732.00	W 100w Popping gas.	23.202
248.00	WM 10w 90m	3.479

Total Length: 1980.00 ft Total Volume: 26.681 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .097 @ 62 Degrees F = 90000 PPM

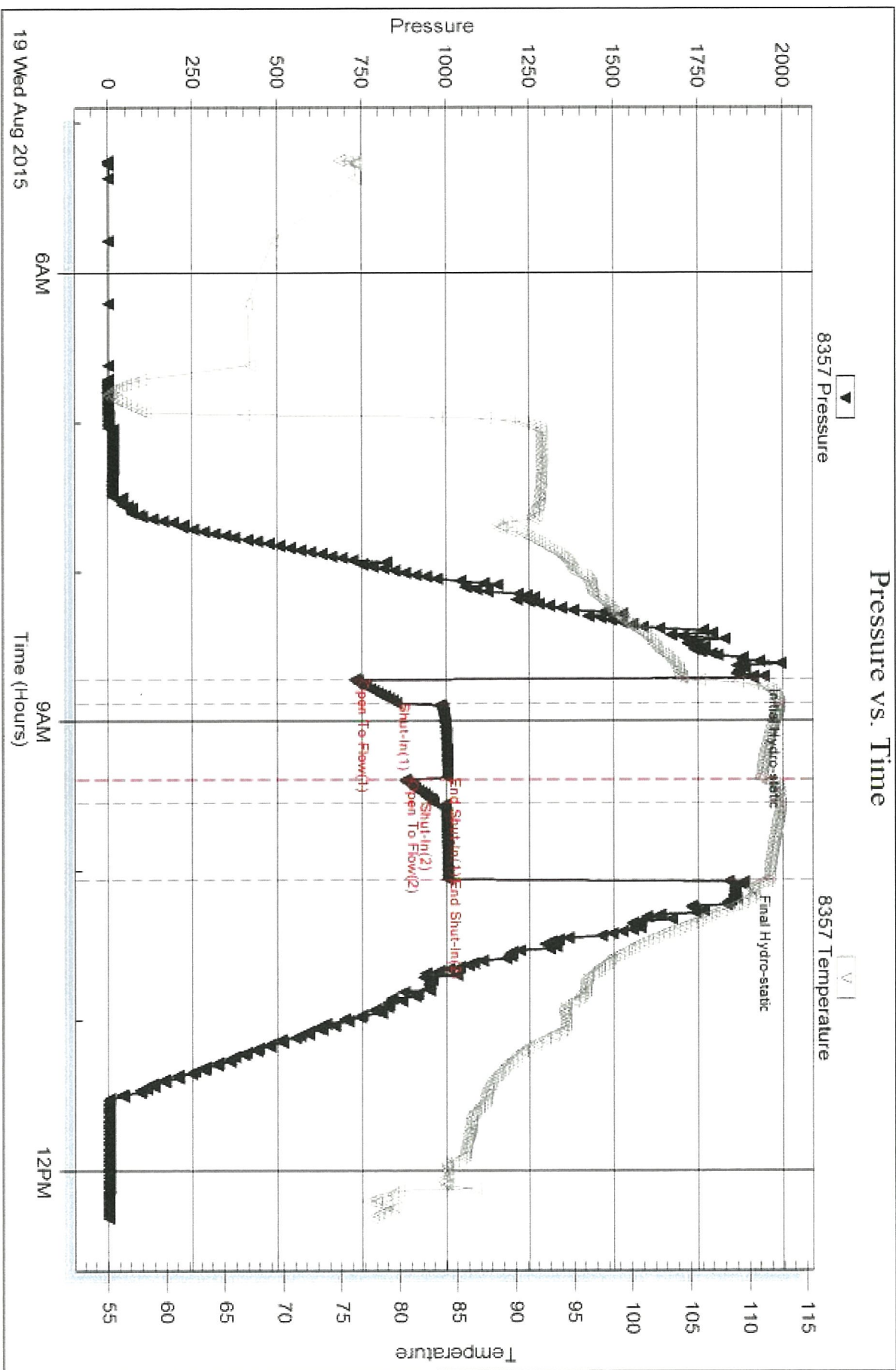
Serial #: 8357

Inside

Palomino Petroleum, Inc.

Draw n C#2

DST Test Number: 1



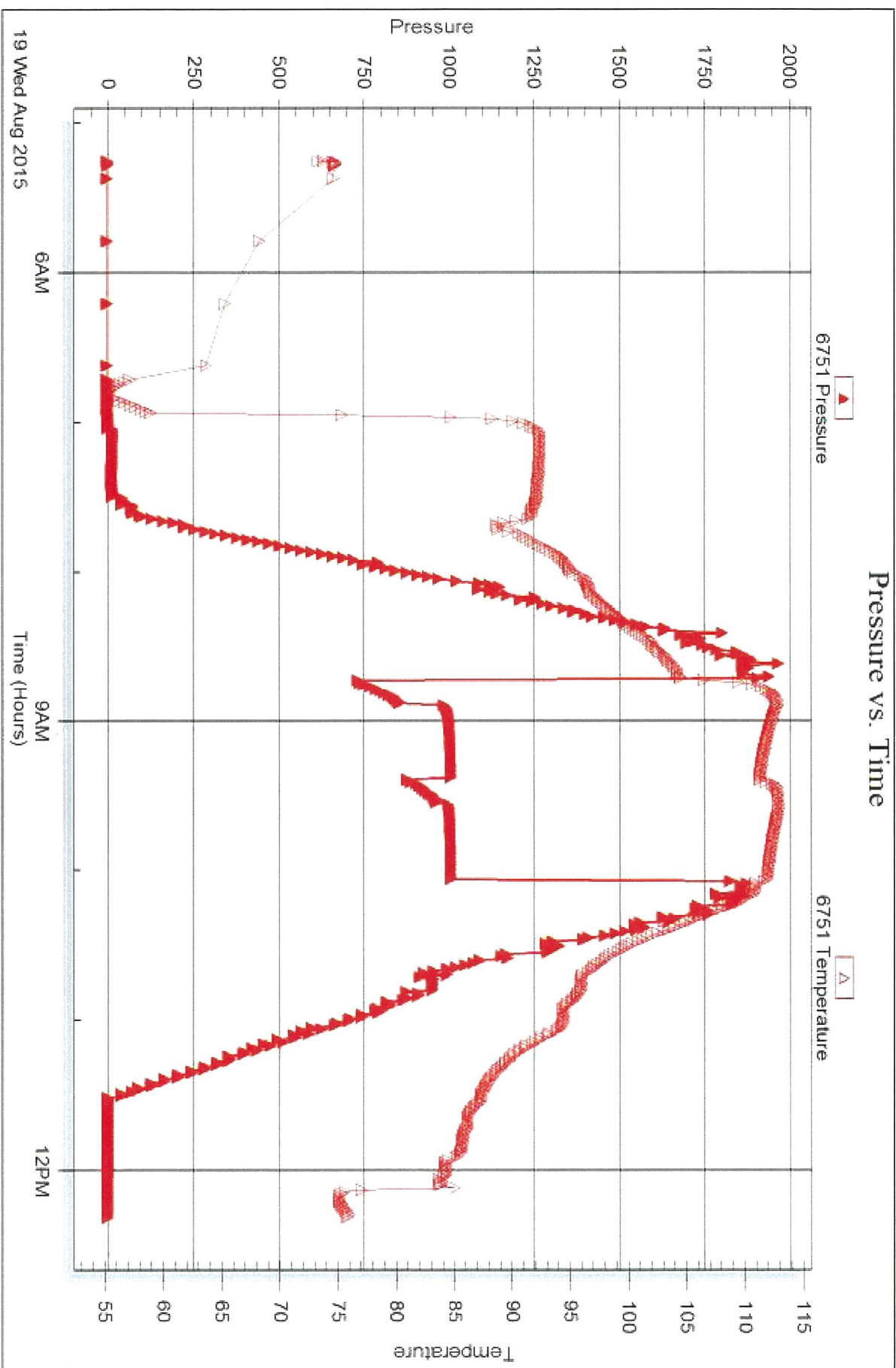
Serial #: 6751

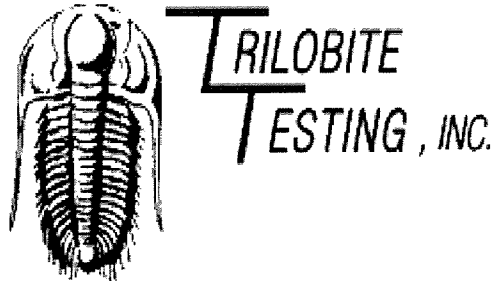
Outside

Palomino Petroleum, Inc.

Crown C#2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Crown C #2

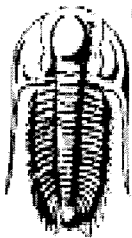
S21-20s-34w Scott,KS

Start Date: 2015.08.21 @ 03:54:00

End Date: 2015.08.21 @ 09:44:00

Job Ticket #: 61707 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

S21-20s-34w Scott,KS

4924 SE 84th St.
New ton, KS 67114

Crown C #2

Job Ticket: 61707

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.08.21 @ 03:54:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:25:20

Time Test Ended: 09:44:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: **4423.00 ft (KB) To 4545.00 ft (KB) (TVD)**

Reference Elevations: 3076.00 ft (KB)

Total Depth: 4545.00 ft (KB) (TVD)

3071.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8357

Inside

Press@RunDepth: 501.44 psig @ 4426.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.21

End Date:

2015.08.21

Last Calib.: 2015.08.21

Start Time: 03:54:02

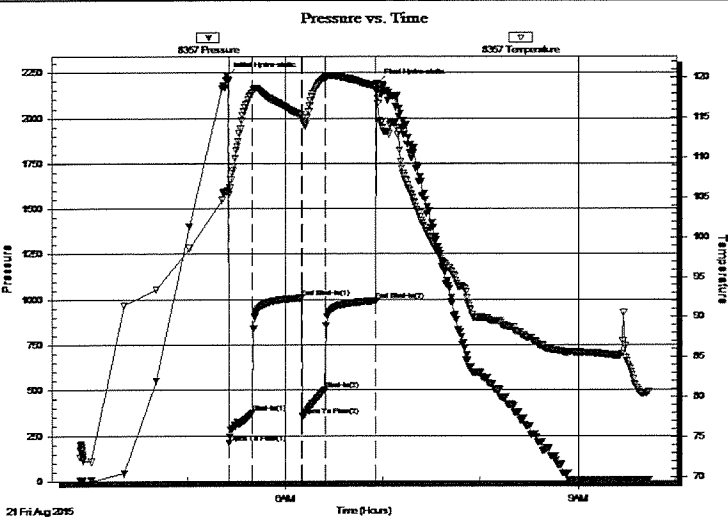
End Time:

09:44:00

Time On Btm: 2015.08.21 @ 05:24:00

Time Off Btm: 2015.08.21 @ 06:56:50

TEST COMMENT: 15- B.O.B. @ 2 1/4 min.
30- B.O.B. @ 12 min.
15- B.O.B. @ 1 min.
30- B.O.B. @ 10 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2230.91	105.78	Initial Hydro-static
2	209.24	105.36	Open To Flow (1)
16	376.09	118.10	Shut-In(1)
46	1007.06	115.37	End Shut-In(1)
47	356.07	114.68	Open To Flow (2)
61	501.44	119.97	Shut-In(2)
92	991.54	118.94	End Shut-In(2)
93	2192.58	117.36	Final Hydro-static

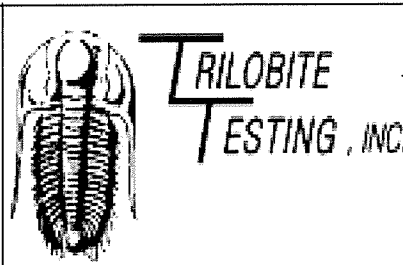
Recovery

Length (ft)	Description	Volume (bbl)
0.00	2580' GIP	0.00
1008.00	GMCO 30g 5m 65o	13.05
252.00	GMCO 20g 30m 50o	3.53

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

Palomino Petroleum, Inc. **S21-20s-34w Scott,KS**
 4924 SE 84th St. **Crown C #2**
 Newton, KS 67114 Job Ticket: 61707 **DST#: 2**
 ATTN: Ryan Seib Test Start: 2015.08.21 @ 03:54:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:25:20
 Time Test Ended: 09:44:00

Interval: **4423.00 ft (KB) To 4545.00 ft (KB) (TVD)**
 Total Depth: 4545.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

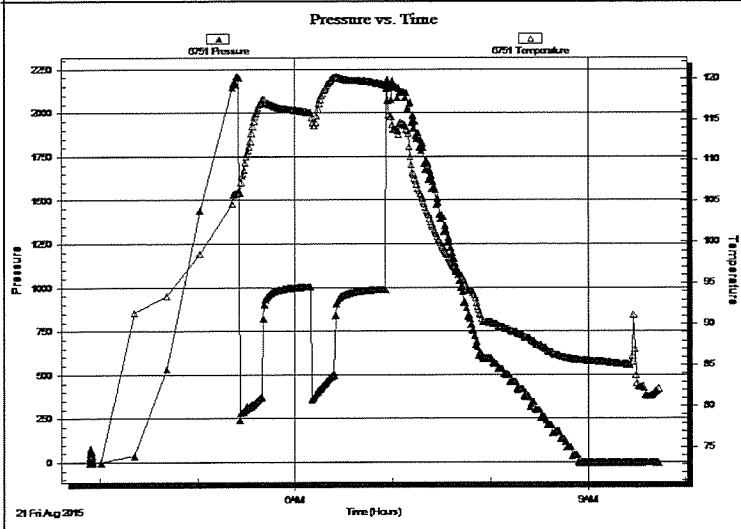
Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 61

Reference Elevations: 3076.00 ft (KB)
 3071.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 4426.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.08.21 End Date: 2015.08.21 Last Calib.: 2015.08.21
 Start Time: 03:53:52 End Time: 09:43:50 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15- B.O.B. @ 2 1/4 min.
 30- B.O.B. @ 12 min.
 15- B.O.B. @ 1 min.
 30- B.O.B. @ 10 min.

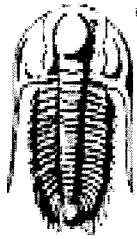


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	2580' GIP	0.00
1008.00	GMCO 30g 5m 65o	13.05
252.00	GMCO 20g 30m 50o	3.53

* Recovery from multiple tests

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

S21-20s-34w Scott,KS

4924 SE 84th St.
New ton, KS 67114

Crown C #2

Job Ticket: 61707

DST#: 2

ATTN: Ryan Seib

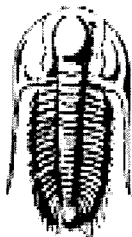
Test Start: 2015.08.21 @ 03:54:00

Tool Information

Drill Pipe:	Length: 4296.00 ft	Diameter: 3.80 inches	Volume: 60.26 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 60.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.50 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4423.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	122.00 ft			
Tool Length:	149.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4396.50	
Shut In Tool	5.00			4401.50	
Hydraulic tool	5.00			4406.50	
Jars	5.00			4411.50	
Safety Joint	2.50			4414.00	
Packer	5.00			4419.00	27.50 Bottom Of Top Packer
Packer	4.00			4423.00	
Stubb	1.00			4424.00	
Perforations	2.00			4426.00	
Recorder	0.00	8357	Inside	4426.00	
Recorder	0.00	6751	Outside	4426.00	
Perforations	20.00			4446.00	
Change Over Sub	1.00			4447.00	
Drill Pipe	94.00			4541.00	
Change Over Sub	1.00			4542.00	
Bullnose	3.00			4545.00	122.00 Bottom Packers & Anchor
Total Tool Length:	149.50				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

S21-20s-34w Scott,KS

4924 SE 84th St.
New ton, KS 67114

Crown C #2

Job Ticket: 61707

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.08.21 @ 03:54:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2580' GIP	0.000
1008.00	GMCO 30g 5m 65o	13.046
252.00	GMCO 20g 30m 50o	3.535

Total Length: 1260.00 ft Total Volume: 16.581 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 33 @ 80 Degrees F = 31.

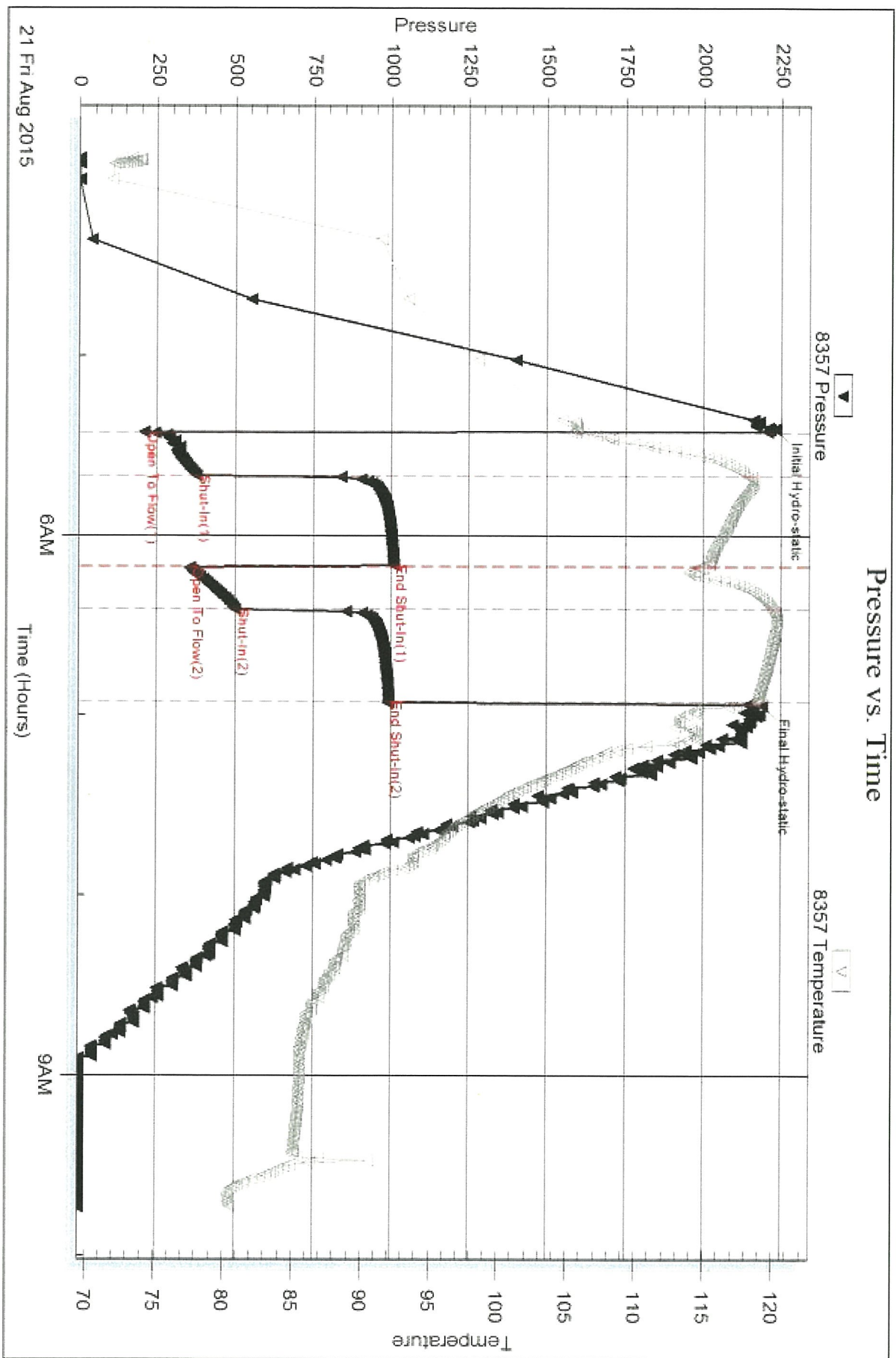
Serial #: 8357

Inside

Palomino Petroleum, Inc.

Well n C#2

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 61707

Printed 2015 08 25 @ 08:14:43

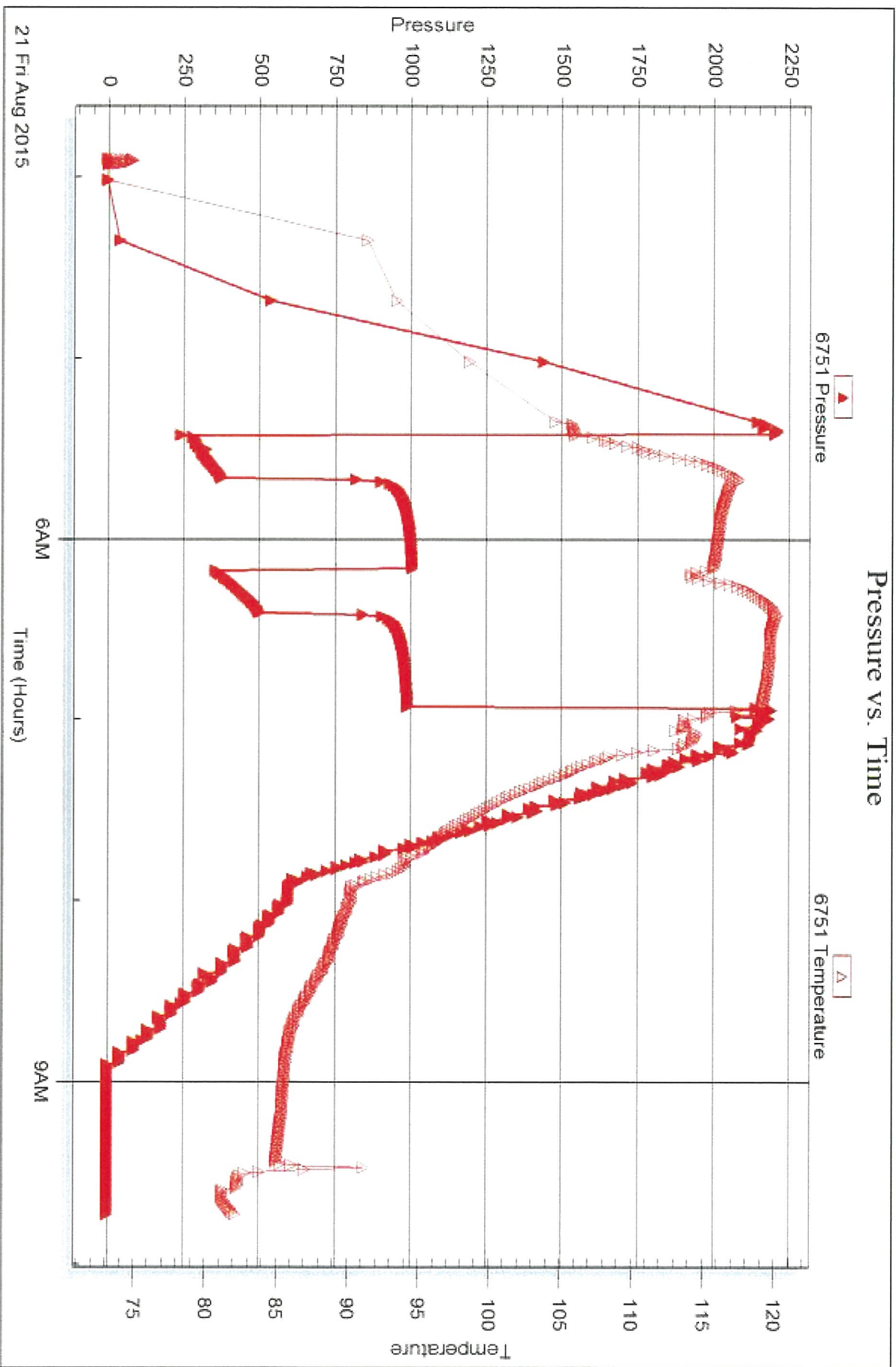
Serial #: 6751

Outside

Palomino Petroleum, Inc.

Flow n C#2

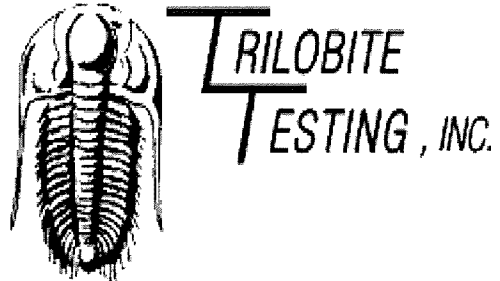
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 61707

Printed 2015 08 25 @ 08 14 44



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Crown C #2

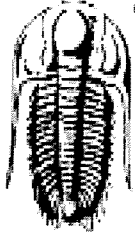
S21-20s-34w Scott,KS

Start Date: 2015.08.21 @ 19:18:00

End Date: 2015.08.22 @ 01:32:39

Job Ticket #: 61708 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

S21-20s-34w Scott,KS

4924 SE 84th St.
New ton, KS 67114

Crown C #2

Job Ticket: 61708

DST#: 3

ATTN: Ryan Seib

Test Start: 2015.08.21 @ 19:18:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:20:40

Time Test Ended: 01:32:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: **4551.00 ft (KB) To 4580.00 ft (KB) (TVD)**

Reference Elevations: 3076.00 ft (KB)

Total Depth: 4580.00 ft (KB) (TVD)

3071.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8357

Inside

Press@RunDepth: 246.76 psig @ 4553.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.21

End Date:

2015.08.22

Last Calib.: 2015.08.22

Start Time: 19:18:02

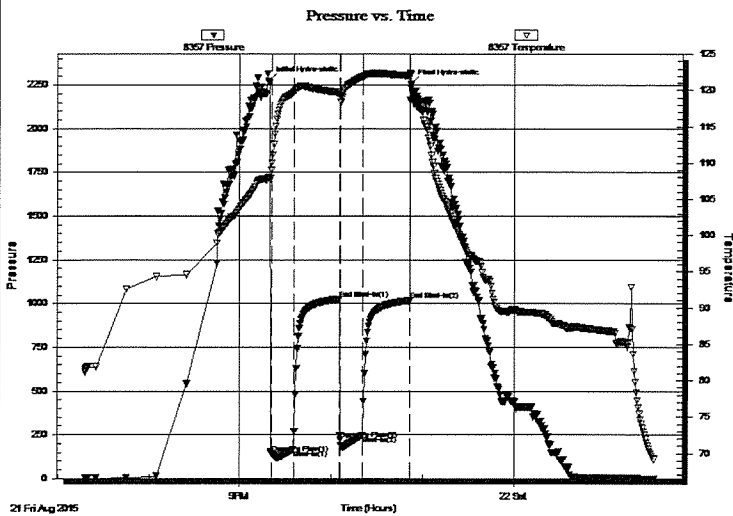
End Time:

01:32:40

Time On Btm: 2015.08.21 @ 21:18:50

Time Off Btm: 2015.08.21 @ 22:52:00

TEST COMMENT: 15- B.O.B. @ 2 min.
30- B.O.B. @ 7 min.
15- B.O.B. @ 1 3/4 min.
30- B.O.B. @ 7 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2273.08	107.96	Initial Hydro-static
2	143.46	109.06	Open To Flow (1)
17	165.18	119.67	Shut-In(1)
47	1025.70	119.71	End Shut-In(1)
47	221.31	119.11	Open To Flow (2)
62	246.76	121.87	Shut-In(2)
93	1016.90	122.08	End Shut-In(2)
94	2257.88	122.18	Final Hydro-static

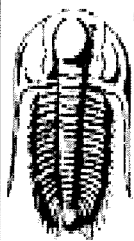
Recovery

Length (ft)	Description	Volume (bbl)
0.00	1228' GIP	0.00
315.00	GWMCO 40g 10w 20m 30o	3.33
189.00	GMCO 35g 5m 60o	2.65
410.00	GO 40g 60o	5.75

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.
New ton, KS 67114

ATTN: Ryan Seib

S21-20s-34w Scott,KS

Crown C #2

Job Ticket: 61708

DST#: 3

Test Start: 2015.08.21 @ 19:18:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:20:40

Time Test Ended: 01:32:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4551.00 ft (KB) To 4580.00 ft (KB) (TVD)

Total Depth: 4580.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3076.00 ft (KB)

3071.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 4553.00 ft (KB)

Start Date: 2015.08.21

End Date:

2015.08.22

Start Time: 19:18:02

End Time:

01:32:40

Capacity: 8000.00 psig

Last Calib.:

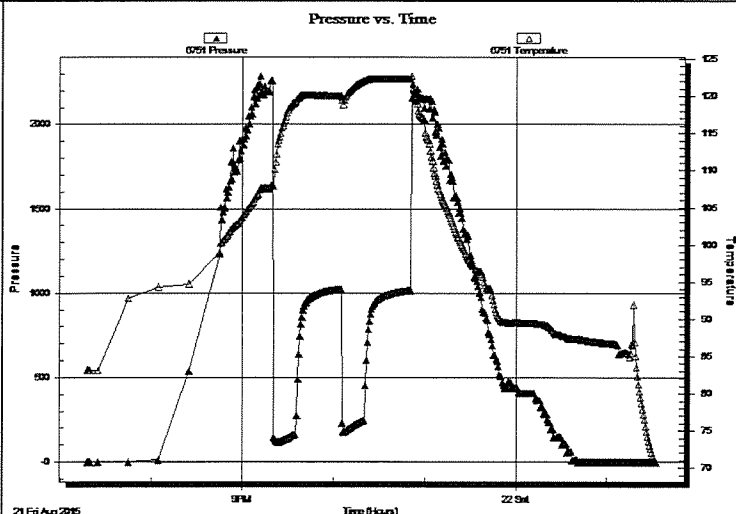
2015.08.22

Time On Btm:

Time Off Btm:

TEST COMMENT: 15- B.O.B. @ 2 min.
30- B.O.B. @ 7 min.
15- B.O.B. @ 1 3/4 min.
30- B.O.B. @ 7 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

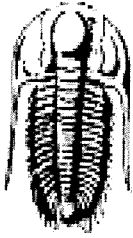
Recovery

Length (ft)	Description	Volume (bbl)
0.00	1228' GIP	0.00
315.00	GWMCO 40g 10w 20m 30o	3.33
189.00	GMCO 35g 5m 60o	2.65
410.00	GO 40g 60o	5.75

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

S21-20s-34w Scott, KS

4924 SE 84th St.
New ton, KS 67114

Crown C #2

Job Ticket: 61708

DST#: 3

ATTN: Ryan Seib

Test Start: 2015.08.21 @ 19:18:00

Tool Information

Drill Pipe:	Length: 4426.00 ft	Diameter: 3.80 inches	Volume: 62.09 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 61000.00 lb
			<u>Total Volume: 62.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.50 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4551.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	53.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4527.50	
Shut In Tool	5.00			4532.50	
Hydraulic tool	5.00			4537.50	
Jars	5.00			4542.50	
Safety Joint	2.50			4545.00	
Packer	5.00			4550.00	24.50 Bottom Of Top Packer
Packer	1.00			4551.00	
Stubb	1.00			4552.00	
Perforations	1.00			4553.00	
Recorder	0.00	8357	Inside	4553.00	
Recorder	0.00	6751	Outside	4553.00	
Perforations	24.00			4577.00	
Bullnose	3.00			4580.00	29.00 Bottom Packers & Anchor

Total Tool Length: 53.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

S21-20s-34w Scott, KS

4924 SE 84th St.
New ton, KS 67114

Crown C #2

Job Ticket: 61708

DST#: 3

ATTN: Ryan Seib

Test Start: 2015.08.21 @ 19:18:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

28000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1228' GIP	0.000
315.00	GWMCO 40g 10w 20m 30o	3.325
189.00	GMCO 35g 5m 60o	2.651
410.00	GO 40g 60o	5.751

Total Length: 914.00 ft Total Volume: 11.727 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .275 @ 62 Degrees F = 28000 PPM

API: 33 @ 70 Degrees F = 32.

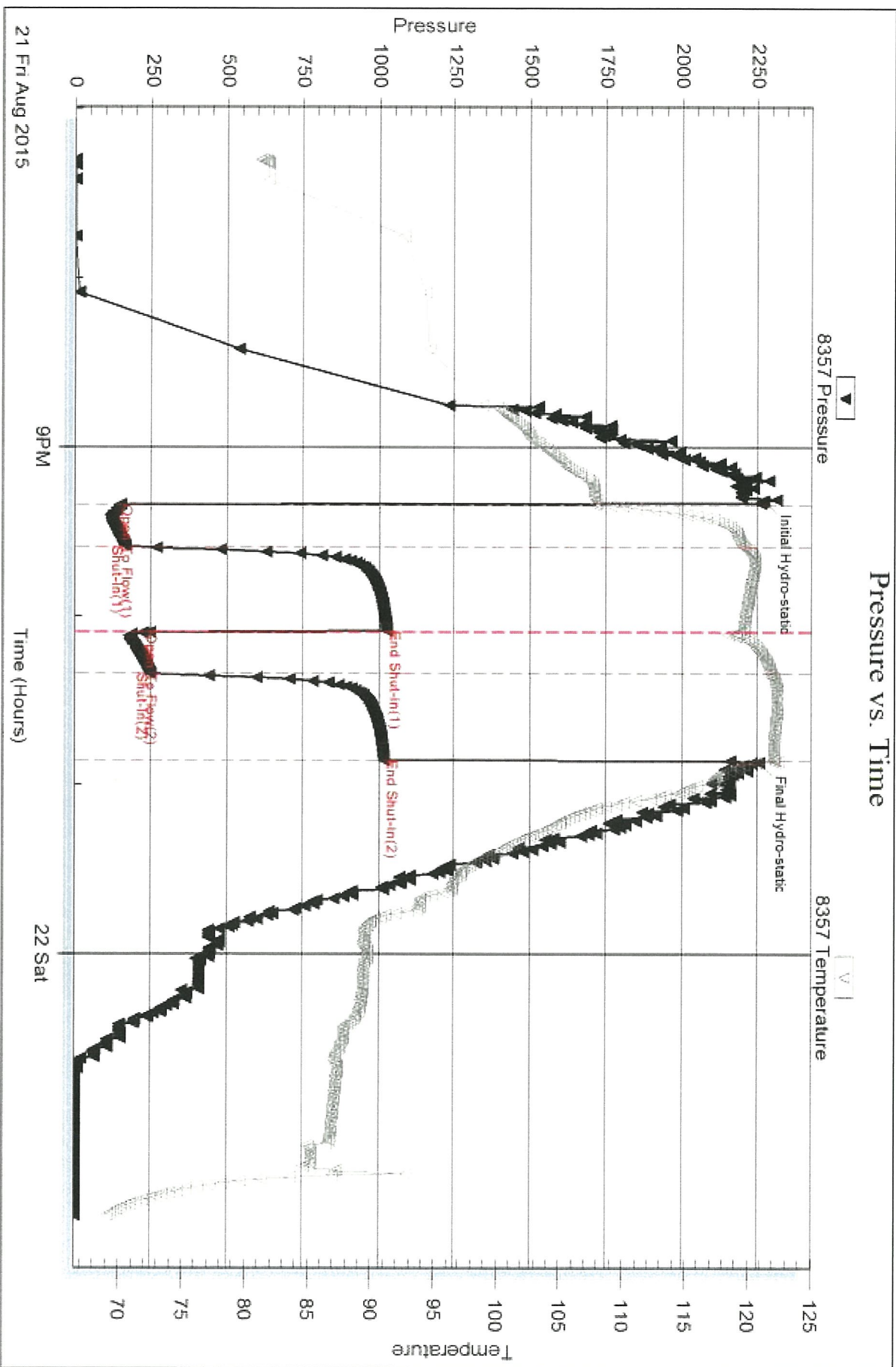
Serial #: 8357

Inside

Palomino Petroleum, Inc.

Crown C#2

DST Test Number: 3

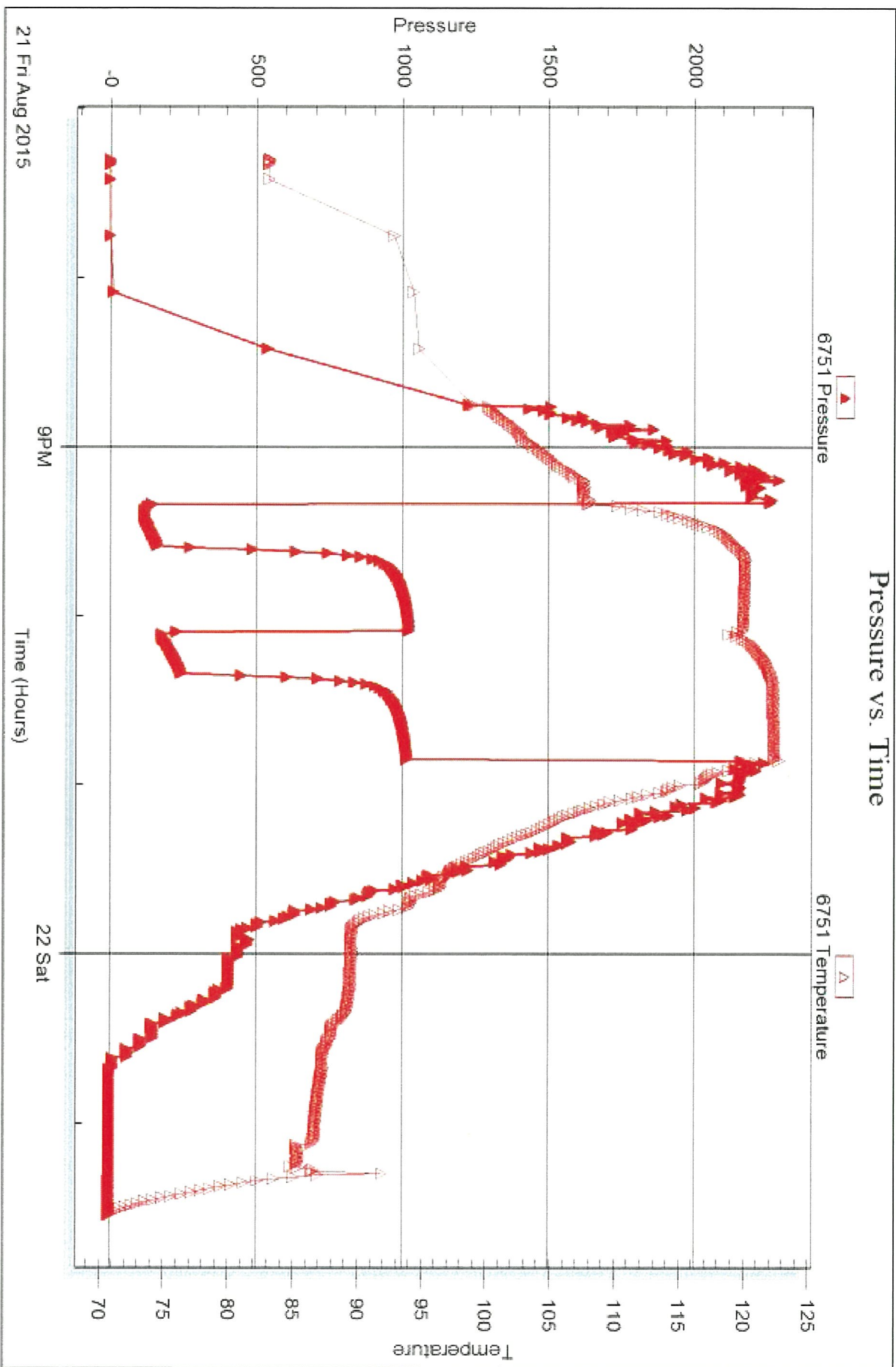


Serial #: 6751

Outside Palomino Petroleum, Inc.

Flow n C#2

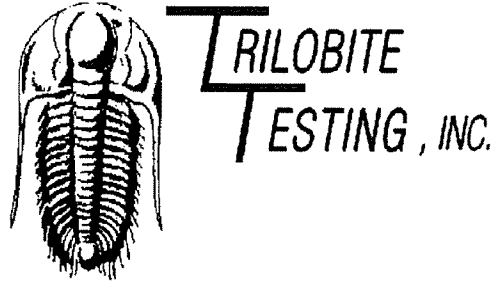
DST Test Number: 3



Tribble Testing, Inc

Ref. No: 61706

Printed 2015 08 25 @ 08:12:35



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Crown C #2

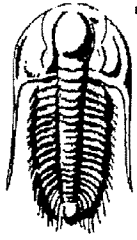
S21-20s-34w Scott,KS

Start Date: 2015.08.22 @ 08:35:00

End Date: 2015.08.22 @ 14:26:00

Job Ticket #: 61709 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

S21-20s-34w Scott,KS

4924 SE 84th St.
New ton, KS 67114

Crown C #2

Job Ticket: 61709

DST#: 4

ATTN: Ryan Seib

Test Start: 2015.08.22 @ 08:35:00

GENERAL INFORMATION:

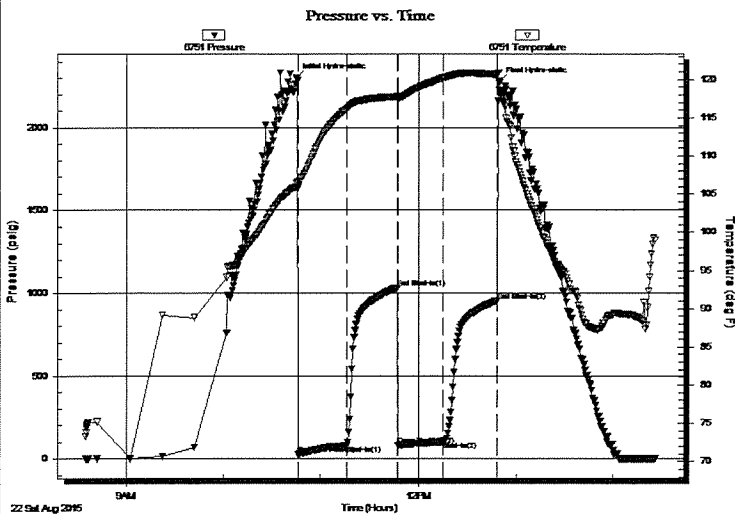
Formation: **Ft. Scott**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 10:46:30
 Tester: Chuck Smith
 Time Test Ended: 14:26:00
 Unit No: 61
 Interval: **4585.00 ft (KB) To 4611.00 ft (KB) (TVD)**
 Reference Elevations: 3076.00 ft (KB)
 Total Depth: 4611.00 ft (KB) (TVD)
 3071.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 5.00 ft

Serial #: 6751

Outside

Press@RunDepth: 101.63 psig @ 4588.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.08.22 End Date: 2015.08.22 Last Calib.: 1899.12.30
 Start Time: 08:35:02 End Time: 14:26:00 Time On Btm: 2015.08.22 @ 10:45:20
 Time Off Btm: 2015.08.22 @ 12:49:40

TEST COMMENT: 30- 5" Blow .
 30- No return.
 30- 4" Blow .
 30- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2302.05	106.46	Initial Hydro-static
2	24.29	105.78	Open To Flow (1)
31	77.59	116.21	Shut-In(1)
62	1031.48	117.78	End Shut-In(1)
62	81.74	117.38	Open To Flow (2)
90	101.63	120.17	Shut-In(2)
124	952.34	120.66	End Shut-In(2)
125	2274.92	119.80	Final Hydro-static

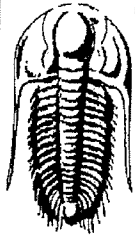
Recovery

Length (ft)	Description	Volume (bbl)
185.00	OSMW 25m 75w	1.50
2.00	O 100o	0.03

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

S21-20s-34w Scott,KS

4924 SE 84th St.
New ton, KS 67114

Crown C #2

Job Ticket: 61709

DST#: 4

ATTN: Ryan Seib

Test Start: 2015.08.22 @ 08:35:00

Tool Information

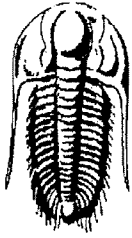
Drill Pipe:	Length: 4453.00 ft	Diameter: 3.80 inches	Volume: 62.46 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 63000.00 lb
			<u>Total Volume: 63.05 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.50 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4585.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	53.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4558.50	
Shut In Tool	5.00			4563.50	
Hydraulic tool	5.00			4568.50	
Jars	5.00			4573.50	
Safety Joint	2.50			4576.00	
Packer	5.00			4581.00	27.50 Bottom Of Top Packer
Packer	4.00			4585.00	
Stubb	1.00			4586.00	
Perforations	2.00			4588.00	
Recorder	0.00	8357	Inside	4588.00	
Recorder	0.00	6751	Outside	4588.00	
Perforations	20.00			4608.00	
Bullnose	3.00			4611.00	26.00 Bottom Packers & Anchor

Total Tool Length: 53.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

S21-20s-34w Scott,KS

4924 SE 84th St.
New ton, KS 67114

Crown C #2

Job Ticket: 61709

DST#: 4

ATTN: Ryan Seib

Test Start: 2015.08.22 @ 08:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

53000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.47 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
185.00	OSMW 25m 75w	1.502
2.00	O 100o	0.028

Total Length: 187.00 ft Total Volume: 1.530 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rW .105 @ 95 = 53000

API: 35 @ 100 Degrees F = 31.

Serial #: 6751

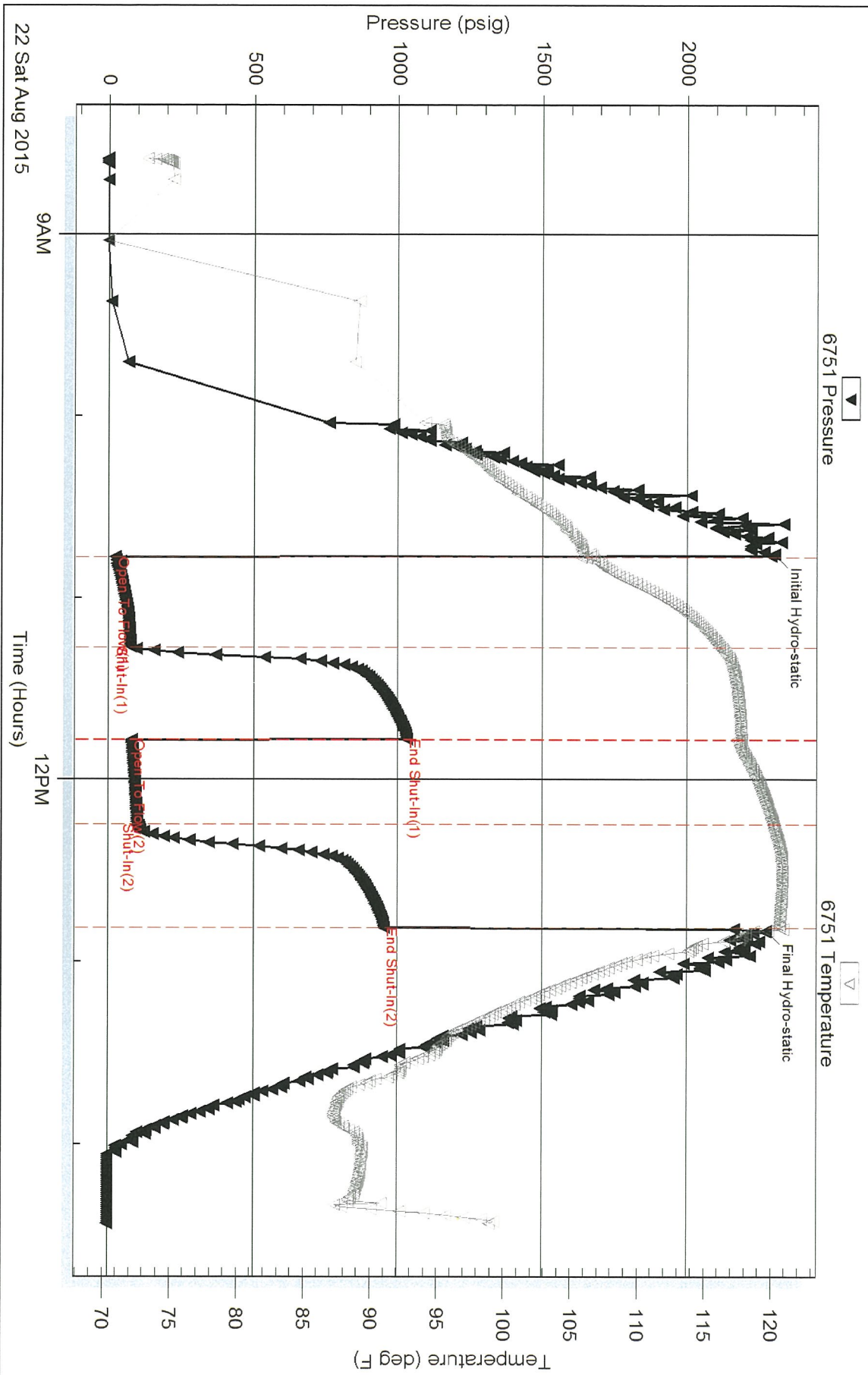
Outside

Palomino Petroleum, Inc.

Cr. # 2

DST Test Number: 4

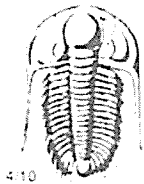
Pressure vs. Time



Triobite Testing, Inc

Ref. No: 61709

Printed: 2015.08.25 @ 08:10:55



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61705

Well Name & No. Crown C #2 Test No. 1 Date 8-19-15
 Company Palomino Petroleum Elevation 3076 KB 3071 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Sieb Rig WW #10
 Location: Sec. 21 Twp. 20S Rge. 34W Co. Scott State KS

Interval Tested 3886-3983 Zone Tested Topeka - Toronto
 Anchor Length 97 Drill Pipe Run 3760 Mud Wt. 9.1
 Top Packer Depth 3882 Drill Collars Run 120 Vis 55
 Bottom Packer Depth 3886 Wt. Pipe Run 0 WL 8.0
 Total Depth 3983 Chlorides 6000 ppm System LCM 1²

Blow Description B.O.B. @ 45 sec.
Surface return died @ 10 min.
B.O.B. @ 1 min.
No return.

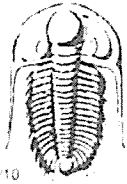
Rec	Feet of	%gas	%oil	%water	%mud
<u>248</u>	<u>WM</u>		<u>10</u>	<u>90</u>	
<u>1732</u>	<u>W popping gas</u>		<u>100</u>		

Rec Total 1980 BHT 112 Gravity — API RW .097 @ 62 ° F Chlorides 90,000 ppm
 (A) Initial Hydrostatic 1912 Test 1050 T-On Location 5:05
 (B) First Initial Flow 729 Jars 250 T-Started 5:15
 (C) First Final Flow 853 Safety Joint 75 T-Open 8:43
 (D) Initial Shut-In 1005 Circ Sub NIC T-Pulled 10:04
 (E) Second Initial Flow 878 Hourly Standby T-Out 12:19
 (F) Second Final Flow 965 Mileage 50RT Comments
 (G) Final Shut-In 1006 Sampler
 (H) Final Hydrostatic 1883 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open 10
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In 30
 Sub Total 0
 Total 1425
 Sub Total 1425
 MP/DST Disc 1

Approved By [Signature] Our Representative Chuck Smith

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO.

61707

Well Name & No. Crown C #2 Test No. 2 Date 8-21-15
 Company Palomino Petroleum Elevation 3076 KB 3071 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Scib Rig WW #10
 Location: Sec. 21 Twp. 20s Rge. 34w Co. Scott State KS

Interval Tested 4423-4545 Zone Tested Marmaton
 Anchor Length 122 Drill Pipe Run 4296 Mud Wt. 9.1
 Top Packer Depth 4419 Drill Collars Run 120 Vis 52
 Bottom Packer Depth 4423 Wt. Pipe Run 0 WL 8.8
 Total Depth 4545 Chlorides 5000 ppm System LCM 1"

Blow Description B.O.B. @ 2 1/4 min.
B.O.B. @ 12 min.
B.O.B. @ 1 min.
B.O.B. @ 10 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>252</u>	<u>GMC0</u>	<u>20</u>	<u>50</u>	<u>30</u>	<u>0</u>
<u>1008</u>	<u>GMC0</u>	<u>30</u>	<u>65</u>	<u>5</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>2580' GIP</u>	<u>100</u>			

Rec Total 1260 BHT 119 Gravity 31 API RW @ _____ F Chlorides _____ ppm

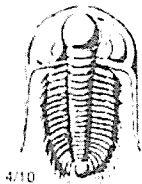
(A) Initial Hydrostatic	<u>2231</u>	<input checked="" type="checkbox"/> Test	<u>1150</u>	T-On Location	<u>3:53</u>
(B) First Initial Flow	<u>209</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>3:54</u>
(C) First Final Flow	<u>376</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>5:25</u>
(D) Initial Shut-In	<u>1007</u>	<input checked="" type="checkbox"/> Circ Sub	<u>NIC</u>	T-Pulled	<u>6:55</u>
(E) Second Initial Flow	<u>356</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>9:44</u>
(F) Second Final Flow	<u>501</u>	<input checked="" type="checkbox"/> Mileage	<u>50</u>	Comments	
(G) Final Shut-In	<u>992</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2193</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	
		<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruined Packer	
		<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
		<input type="checkbox"/> Extra Recorder		Sub Total	<u>116.67</u>
		<input checked="" type="checkbox"/> Day Standby	<u>1.5d 3.5h</u>	Total	<u>1641.67</u>
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>1525</u>		

Initial Open 15
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In 30

Approved By [Signature]

Our Representative Chuck Amick

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61708

Well Name & No. Crown C #2 Test No. 3 Date 8-21-15
 Company Palimino Petroleum Elevation 3076 KB 3071 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 21 Twp. 20s Rge. 34w Co. Scott State KS

Interval Tested 4551 - 4580 Zone Tested Pawnee
 Anchor Length 29 Drill Pipe Run 4426 Mud Wt. 9.1
 Top Packer Depth 4547 Drill Collars Run 120 Vis 49
 Bottom Packer Depth 4551 Wt. Pipe Run 0 WL 8.8
 Total Depth 4580 Chlorides 5000 ppm System LCM 2*

Blow Description B.O.B. @ 2 min.
B.O.B. @ 7 min.
B.O.B. @ 1 3/4 min.
B.O.B. @ 7 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>410</u>	<u>60</u>	<u>40</u>	<u>60</u>		
<u>189</u>	<u>Gmco</u>	<u>35</u>	<u>60</u>		<u>5</u>
<u>315</u>	<u>GWmco</u>	<u>40</u>	<u>30</u>	<u>10</u>	<u>20</u>
	<u>1228' GIP</u>	<u>100</u>			

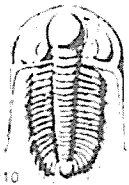
Rec Total 914 BHT 122 Gravity 32 API RW .275 @ 62 °F Chlorides 28000 ppm

(A) Initial Hydrostatic <u>2273</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>19:15</u>
(B) First Initial Flow <u>143</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>19:18</u>
(C) First Final Flow <u>165</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>21:21</u>
(D) Initial Shut-In <u>1026</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>22:51</u>
(E) Second Initial Flow <u>221</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1:33</u>
(F) Second Final Flow <u>247</u>	<input checked="" type="checkbox"/> Mileage <u>50</u>	Comments
(G) Final Shut-In <u>1017</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2258</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1525</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1525</u>	

Approved By g. seib Our Representative Chuck Amich

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

61709

NO.

Well Name & No. Crown C #2 Test No. 4 Date 8-22-15
 Company Palomino Petroleum Elevation 3076 KB 3071 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Scib Rig WW#10
 Location: Sec. 21 Twp. 20 Rge. 3rdW Co. Scott State KS

Interval Tested 4585-4611 Zone Tested Ft. Scott
 Anchor Length 26 Drill Pipe Run 4453 Mud Wt. 8.8
 Top Packer Depth 4581 Drill Collars Run 120 Vis 47
 Bottom Packer Depth 4585 Wt. Pipe Run 0 WL 9.5
 Total Depth 4611 Chlorides 7000 ppm System LCM 1st

Blow Description 5" Blow
No return.
4" Blow
No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>0</u>		<u>100</u>		
<u>185</u>	<u>0.5 MW</u>			<u>75</u>	<u>25</u>

Rec Total 187 BHT 121 Gravity 31 API RW 105 @ 95 °F Chlorides 5300 ppm

(A) Initial Hydrostatic 2302 Test 1150 T-On Location 8:34
 (B) First Initial Flow 24 Jars 250 T-Started 8:35
 (C) First Final Flow 78 Safety Joint 75 T-Open 10:47
 (D) Initial Shut-In 1031 Circ Sub NIC T-Pulled 12:49
 (E) Second Initial Flow 82 Hourly Standby _____ T-Out 14:26
 (F) Second Final Flow 102 Mileage X2 50+50 Comments Battery went bad
 (G) Final Shut-In 952 Sampler _____ during test, returned to
 (H) Final Hydrostatic 2275 Straddle _____ Hays. Picked up tools 8:24 6:30a.
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 800
 Final Flow 30 Day Standby 1.5d 4h Total 2375
 Final Shut-In 30 Accessibility _____ MP/DST Disc't _____
 Sub Total 1575

Approved By [Signature] Our Representative Chuck Smith

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